

Listing of Claims:

1. (Currently Amended) A method for guaranteeing ~~the~~ quality of a connection in a data-transmitting telecommunication system, wherein a data stream is configurable to be transmitted through a packet-switched connection or through a circuit-switched connection, the method comprising the steps of:

separating at least speech data from the data stream; and
transmitting at least part of said at least speech data, whose intelligibility is affected by a possible deterioration of data quality and is configured to be transmitted through the packet-switched connection, partly through the circuit-switched connection; and
using, for a mobile station, a different protocol address for said at least part of said at least speech data than for a remainder of the data stream.

2. (Previously Presented) The method of claim 1, wherein at least one party to the connection comprises a mobile station.

3. (Previously Presented) The method of claim 1, wherein the data stream is transmitted through at least one Internet server.

4. (Previously Presented) The method of claim 2, wherein an IP address is sent from the mobile station to an Internet server for establishing a circuit-switched connection.

5. (Previously Presented) The method of claim 4, wherein the mobile station sends an IP address comprising a short message to the Internet server (204).

6. (Previously Presented) The method of claim 4, wherein the mobile station sends an IP address to the Internet server in a certain packet in a packet data stream.

7. (Previously Presented) The method of claim 2, wherein a subscriber-specific IP address stored in a mobile communication network is used to establish the a circuit-switched connection.

8. (Previously Presented) The method of claim 1, wherein at least part of the data stream transmitted through the circuit-switched connection comprises speech data.

9. (Previously Presented) The method of claim 8, wherein said speech data is transmitted through the circuit-switched connection between a general packet radio service (GPRS) backbone network and a mobile station.

10. (Previously Presented) The method of claim 8, wherein said speech data transmitted through the circuit-switched connection is transmitted from a gateway directly to an Internet server.

11. (Previously Presented) The method of claim 1, wherein at least part of the data stream configured to be transmitted through the packet-switched connection is configured to be transmitted through the circuit-switched connection if a capacity of the packet-switched connection is insufficient.

12. (Previously Presented) The method of claim 10, wherein the quality of the packet-switched connection is monitored during the connection.

13. (Currently Amended) A network element for guaranteeing the quality of a connection in a data-transmitting telecommunication system, wherein a data stream is configurable to be transmitted through a packet-switched connection or through a circuit-switched connection, wherein the network element is configured to separate at least speech data from the data stream, and to transmit at least part of the at least speech data, whose intelligibility is affected by a possible deterioration of data quality and is configured to be transmitted through the packet-switched connection, partly through the circuit-switched connection, and is configured to use, for a mobile station, a different protocol address for said at least part of said at least speech data than for a remainder of the data stream.

14. (Previously Presented) The network element of claim 13, wherein the network element is configured to convert packet data into a form suitable for the circuit-switched connection and vice versa.

15. (Previously Presented) The network element of claim 13, wherein the network element comprises a gateway.

16. (Previously Presented) The network element of claim 13, wherein the network element comprises a mobile switching center.

17. (Canceled)

18. (New) The method of claim 3, wherein an IP address is sent from the mobile station to an Internet server for establishing the circuit-switched connection.

19. (New) A gateway for guaranteeing quality of a connection in a data-transmitting telecommunication system, wherein a data stream is configurable to be transmitted through a packet-switched connection or through a circuit-switched connection, wherein the gateway is configured to separate at least speech data from the data stream, transmit at least part of the at least speech data, whose intelligibility is affected by a possible deterioration of data quality and is configured to be transmitted through the packet-switched connection, partly through the circuit-switched connection, and is configured to use, for a mobile station, a different protocol address for said at least part of said at least speech data than for a remainder of the data stream.

20. (New) A mobile station for being a party to a connection in a data-transmitting telecommunication system, wherein a first data stream is configurable to be transmitted through a packet-switched connection or through a circuit-switched connection, wherein the mobile station is configured to separate at least speech data from the first data stream, transmit at least part of said at least speech data, whose intelligibility is affected by a possible deterioration of data quality and is configured to be transmitted through the packet-switched connection, partly through the circuit-switched connection, and is configured to use a different protocol address for

receiving at least part of at least speech data of a second data stream than for receiving a remainder of the second data stream.